Practitioner's Docket No. MP100-370P1RM

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Kindly cancel claims 4, 5, and 7-24 and add new claims 25-42 as follows:

STATUS OF THE CLAIMS:

What is claimed is:

1. An isolated 47324 nucleic acid molecule selected from the group consisting of:

a) a nucleic acid molecule comprising a nucleotide sequence which is at least 60% identical to the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3~~, or the nucleotide sequence of the DNA insert of the plasmid deposited with ATCC as Accession Number _____~~;

b) a nucleic acid molecule comprising a fragment of at least 15 nucleotides of the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3~~, or the nucleotide sequence of the DNA insert of the plasmid deposited with ATCC as Accession Number _____~~;

c) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2~~, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~;

d) a nucleic acid molecule which encodes a fragment of a polypeptide comprising the amino acid sequence of SEQ ID NO:2, ~~or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~, wherein the fragment comprises at least 15 contiguous amino acids of SEQ ID NO:2~~, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~;

e) a nucleic acid molecule which encodes a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:2, ~~or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~, wherein the nucleic acid molecule hybridizes to a nucleic acid molecule comprising SEQ ID NO:1, SEQ ID NO:3, or a complement thereof, under stringent conditions;

f) a nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3~~, or the nucleotide sequence of the DNA insert of the plasmid deposited with ATCC as Accession Number _____~~; and

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g) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2~~, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~.

2. The isolated nucleic acid molecule of claim 1, which is the nucleotide sequence SEQ ID NO:1.

3. A host cell which contains the nucleic acid molecule of claim 1.

4 Cancelled herein

5 Cancelled herein

6. A method for producing a polypeptide selected from the group consisting of:

a) a polypeptide comprising the amino acid sequence of SEQ ID NO:2~~, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~;

b) a polypeptide comprising a fragment of the amino acid sequence of SEQ ID NO:2~~, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~, wherein the fragment comprises at least 15 contiguous amino acids of SEQ ID NO:2~~, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~;

c) a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:2~~, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number _____~~, wherein the polypeptide is encoded by a nucleic acid molecule which hybridizes to a nucleic acid molecule comprising SEQ ID NO:1 or SEQ ID NO:3; and

d) the amino acid sequence of SEQ ID NO:2;

comprising culturing the host cell of claim 3 under conditions in which the nucleic acid molecule is expressed.

7-24 Cancelled herein

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25 (New) The isolated nucleic acid molecule of claim 1 wherein the nucleic acid comprises the nucleotide sequence of SEQ ID NO: 1, SEQ ID NO: 3; or a nucleotide sequence complementary to the nucleotide sequence of SEQ ID NO: 1 or SEQ ID NO:3.

26. (New) The nucleic acid of claim wherein the nucleic acid comprises a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO: 2 or a nucleotide sequence complementary to a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO: 2.

27. (New) An isolated nucleic acid molecule comprising a nucleotide sequence encoding a fusion polypeptide comprising the amino acid sequence of SEQ ID NO: 2 and a heterologous polypeptide.

28. (New) An isolated nucleic acid molecule of claim 1, further comprising vector nucleic acid sequences.

29. (New) An isolated nucleic acid molecule of claim 25, further comprising vector nucleic acid sequences.

30. (New) An isolated nucleic acid molecule of claim 26, further comprising vector nucleic acid sequences.

31. (New) An isolated nucleic acid molecule of claim 27, further comprising vector nucleic acid sequences.

32. (New) A host cell containing the nucleic acid molecule claim 25.

33. (New) A host cell containing a nucleic acid molecule of claim 28.

34. (New) A host cell containing a nucleic acid molecule of claim 29.

35. (New) A host cell containing a nucleic acid molecule of claim 30.

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36. (New) A host cell containing a nucleic acid molecule of claim 31.

37. (New) The host cell of claim 32 which is a mammalian cell.

38. (New) The host cell of claim 33 which is a mammalian cell.

39. (New) The host cell of claim 34 which is a mammalian cell.

40. (New) The host cell of claim 3 which is a mammalian cell.

41 (New) A method for producing a polypeptide comprising the amino acid sequence of SEQ ID NO: 2 comprising culturing the host cell of claim 35 under conditions in which the nucleic acid molecule is expressed.

42 (New) A method for producing a polypeptide comprising the amino acid sequence of SEQ ID NO: 2 and a heterologous polypeptide comprising culturing the host cell of claim 36 under conditions in which the nucleic acid molecule is expressed.